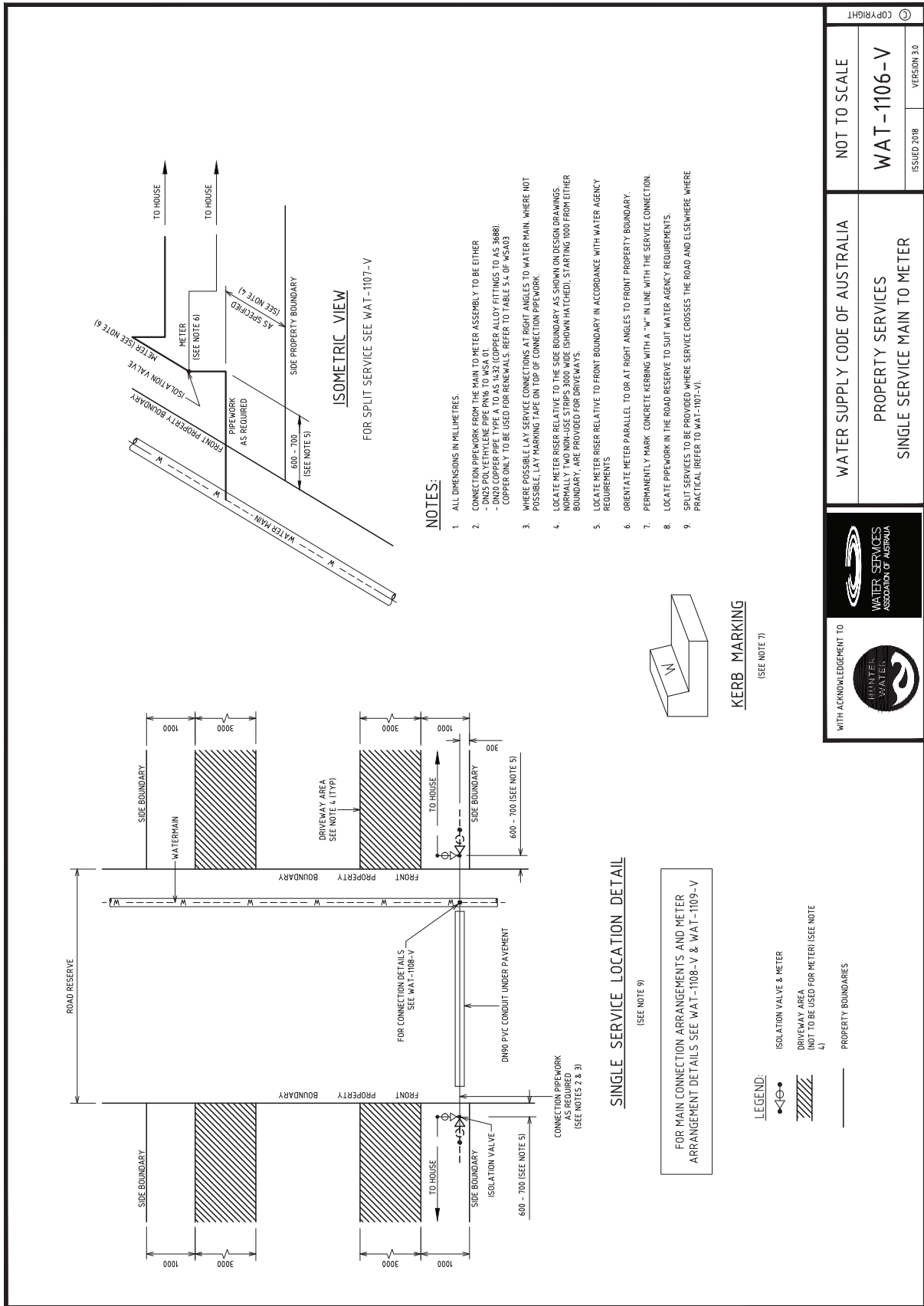


Property Services



WAT-1106-V Single Service Main to Meter

© COPYRIGHT

NOT TO SCALE

WATER SUPPLY CODE OF AUSTRALIA

PROPERTY SERVICES

SINGLE SERVICE MAIN TO METER

WAT-1106-V

ISSUED 2018

VERSION 3.0

ADDITIONAL INFORMATION PROVIDED IN WAT-1100 SERIES COMMENTARY

WAT-1107 Split Service Main to Meter

FOR MAIN CONNECTION ARRANGEMENTS AND METER ARRANGEMENT DETAILS SEE WAT-1108-V & WAT-1105-V

MINIMUM BENDING RADIUS (mm)

PIPE SIZE DN	PE 100 SDR 11 (PN6)		COPPER REFER TO AS4889	
	PE 80S SDR 9 (PN6)	PE 100 SDR 11 (PN6)	ANNEALED	BENDABLE
20	NOT USED	NOT USED	60	85
25	500	800	75	NOT AVAILABLE
32	600	1000	100	NOT AVAILABLE

NOTES

1. ALL DIMENSIONS IN MILLIMETRES.
2. CONNECTION PIPEWORK FROM THE MAIN TO METER ASSEMBLY TO BE EITHER:
 - DN32 FROM MAIN TO TEE.
 - POLYETHYLENE PIPE (PN6 TO WSA 01).
 - COPPER PIPE TYPE A TO AS 1432 (COPPER ALLOY FITTINGS TO AS 3488).
 - DN25 TO MAIN FROM TEE.
 - DN20 FROM TEE TO METER ASSEMBLY.
3. WHERE POSSIBLE LAY SERVICE CONNECTIONS AT RIGHT ANGLES TO WATER MAIN, WHERE NOT POSSIBLE, LAY MARKING TAPE ON TOP OF CONNECTION PIPEWORK.
4. LOCATE METER RISER RELATIVE TO THE SIDE BOUNDARY AS SHOWN ON DESIGN DRAWINGS. NORMALLY TWO NON-USE STRIPS 300 WIDE (SHOWN HATCHED), STARTING 1000 FROM EITHER BOUNDARY, ARE PROVIDED FOR DRIVEWAYS.
5. LOCATE METER RISER RELATIVE TO FRONT BOUNDARY IN ACCORDANCE WITH WATER AGENCY REQUIREMENTS.
6. ORIENTATE METER PARALLEL TO OR AT RIGHT ANGLES TO FRONT PROPERTY BOUNDARY.
7. PERMANENTLY MARK CONCRETE KERBING WITH A "W" IN LINE WITH ROAD CROSSING ON BOTH SIDES OF THE ROAD. SERVICE INDEXING ON SAME SIDE AS WATERMAIN TO LOCATE MAINTAP.
8. LOCATE PIPEWORK IN THE ROAD RESERVE TO SUIT WATER AGENCY REQUIREMENTS.
9. PROVIDE SINGLE SERVICES ONLY, WHERE SPLIT SERVICE IS NOT PRACTICAL.
10. MAINTAIN A MINIMUM 500 SPACING BETWEEN PRETAPPED CONNECTORS, TAPPING BANDS, SADDLES AND/OR PIPE JOINTS.
11. THE PREFERRED LOCATION FOR SPLIT WATER SERVICES IS THE ALTERNATE SIDE PROPERTY BOUNDARY TO THE ELECTRICAL AND TELCO SERVICES. IE AT ONE SIDE BOUNDARY INSTALL TELCO, ELECTRICAL SUPPLY PILLAR BOXES AND LIGHTS AND AT NEXT SIDE BOUNDARY INSTALL SPLIT WATER SERVICE. DESIGNERS TO NEGOTIATE WITH OTHER SERVICE PROVIDERS TO CLARIFY LOCATIONS PRIOR TO DESIGNING PROPERTY SERVICES.
12. ONLY USE THE ALTERNATIVE PRE-SET CONNECTION DETAIL WITH THE PROVISION TEL LOCATED WITHIN THE PROPERTY WHEN LOCATING THE TEE WITHIN THE FOOTWAY IS NOT PRACTICAL DUE TO CONGESTION OF EXISTING SERVICES. OBTAIN HIGHER WATER APPROVAL PRIOR TO USING THIS ALTERNATIVE.
13. SPLIT WATER SERVICES CANNOT BE USED TO SERVICE MORE THAN 2 DWELLINGS.

LEGEND

- ISOLATION VALVE & METER
- DRIVEWAY AREA (NOT TO BE USED FOR METER) (SEE NOTE 4)
- PROPERTY BOUNDARIES
- DOUBLE SERVICE (SEE NOTE 7)
- SINGLE SERVICE LEFT SIDE (SEE NOTE 7)
- SINGLE SERVICE RIGHT SIDE (SEE NOTE 7)

KERB MARKING (SEE NOTE 7)

SCALE 1:50

WATER SUPPLY CODE OF AUSTRALIA

PROPERTY SERVICES

SPLIT SERVICE MAIN TO METER

NOT TO SCALE

WAT-1107-V

ISSUED 2018

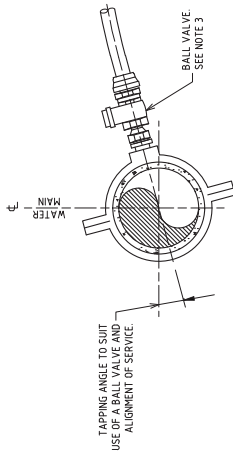
VERSION 3.0

© COPYRIGHT

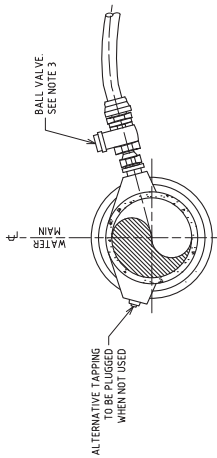
WAT-1107 Split Service Main to Meter

NOTES

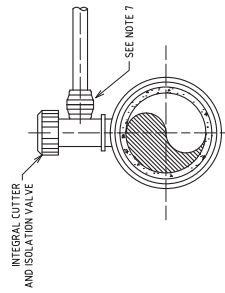
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. MATERIAL FOR MAIN TO METER SERVICE
 - COPPER PIPE – TYPE PE 80B OR US 132
 - POLYETHYLENE PIPE – TYPE PE 80B OR PE 100 TO WSA 01 (PRESSURE CLASS PN 16)
 - SERVICE IDENTIFICATION COLOUR AS SPECIFIED BY HUNTER WATER.
 PROVIDE A DOUBLE CHECK VALVE AT THE METER CONNECTION.
3. INSTALL AN IN-LINE BALL VALVE AT THE MAIN CONNECTION. PROVIDE A DOUBLE CHECK VALVE AT THE METER ASSEMBLY.
4. PIPE CONNECTOR INSTALLED AT MAIN CONNECTION TO BE OF METAL CONSTRUCTION UNLESS OTHERWISE APPROVED. METER CONNECTOR TO BE CONNECTED TO A DUCTILE IRON FITTING. USE AN INSULATED PRE-TAPPED CONNECTOR OR AN INSULATED TAPPING BAND.
5. LAY PROPERTY SERVICE AT RIGHT ANGLES TO WATER MAIN. LAY DETECTABLE BLUE MARKING TAPE ON TOP OF THE PROPERTY SERVICES PIPEWORK, IE TRACER WIRE TO VALVES AT EACH END OF SERVICE PIPE SERVICES.
6. USE PE PROTECTIVE SLEEVING TO ENCAPSULATE METAL PIPE CONNECTION FITTINGS AND ISOLATION VALVE.
7. USE AN ELECTROFUSION TAPPING SADDLE IN CONNECTION WITH DOUBLE CHECK BACKFLOW PREVENTION ON THE SERVICE AT THE METER ASSEMBLY. MECHANICAL TAPPING SADDLES NOT PERMITTED ON PE MAINS.
8. MAINTAIN A MINIMUM 500 SPACING BETWEEN TAPPING BANDS, SADDLES, PRE-TAPPED CONNECTORS AND/OR PIPE JOINTS.



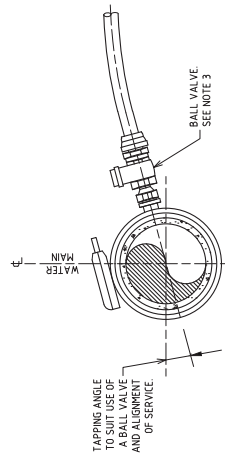
NARROW CLAMP TAPPING BAND
(FOR PVC & DI PIPE)



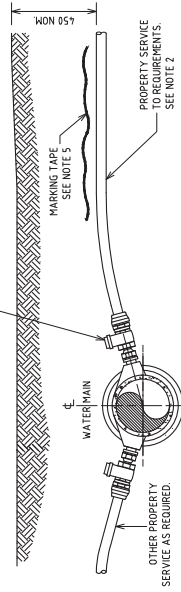
PRETAPPED CONNECTOR (DI)
(FOR DN 100 – DN 200 PVC & DI PIPE)



ELECTROFUSION TAPPING SADDLE
(FOR PE PIPE)




SS WIDE CLAMP TAPPING BAND
(FOR ALL PIPE TYPES)




PROPERTY SERVICE SIZE	
SERVICE TYPE	DN (mm)
SINGLE RESIDENTIAL	25 PE, 20 COPPER
SPLIT RESIDENTIAL	32 PE, 25 COPPER
OTHER	TO BE DESIGNED

TYPICAL CONNECTION ARRANGEMENT

WITH ACKNOWLEDGEMENT TO



HUNTER WATER ASSOCIATION OF AUSTRALIA



WATER SERVICES ASSOCIATION OF AUSTRALIA

PROPERTY SERVICES CONNECTION TO MAIN

WATER SUPPLY CODE OF AUSTRALIA

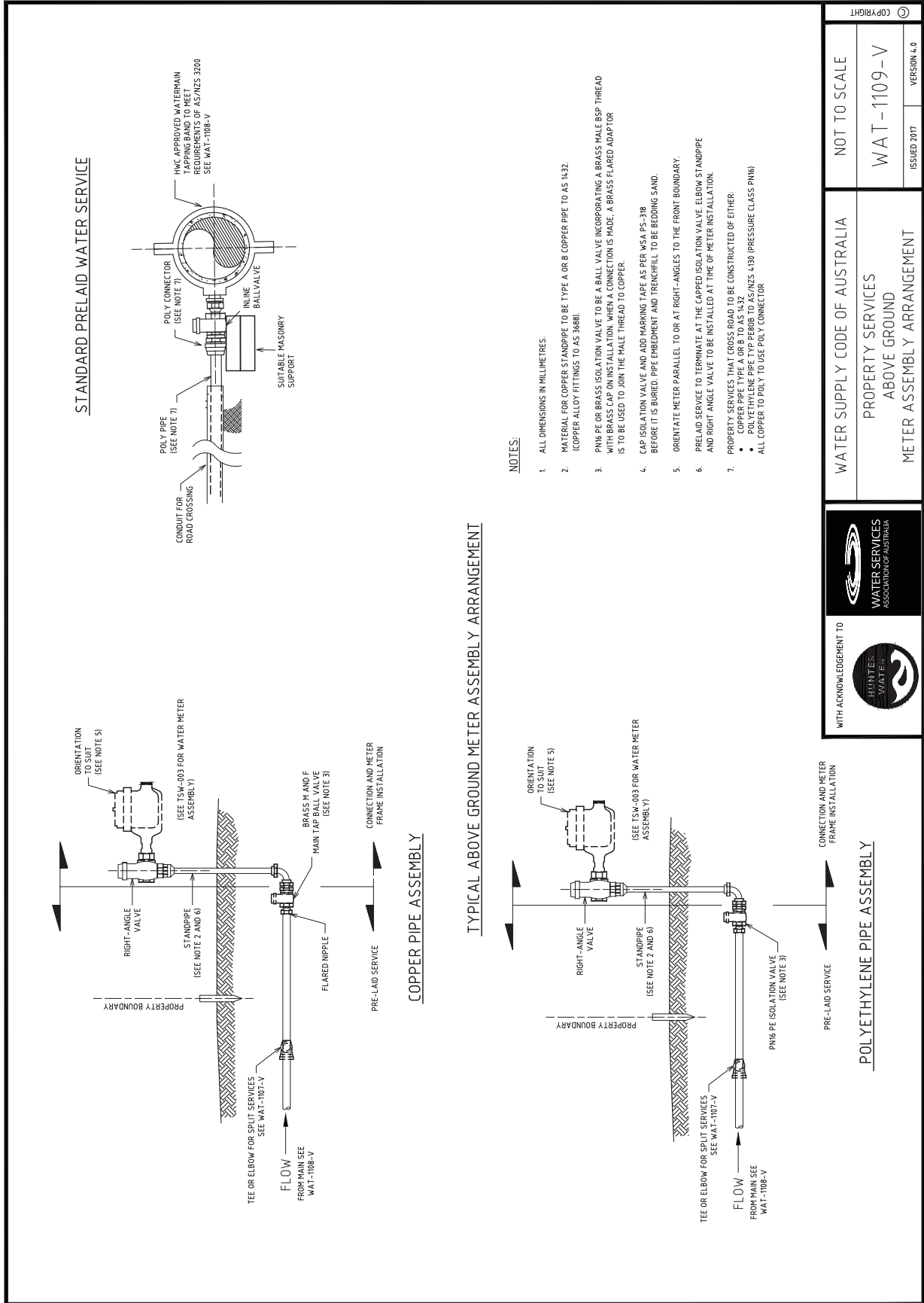
NOT TO SCALE

WAT-1108-V

ISSUED 2008 VERSION 2.0

ADDITIONAL INFORMATION PROVIDED IN WAT-1100 SERIES COMMENTARY

WAT-1108 Connection to Main



WAT-1109-V Above Ground Meter Assembly Arrangement